

We claim:

1. An eyewear comprising:  
a transceiver for short-distance wireless communication, said transceiver being capable of forming an ad hoc wireless network with a plurality of devices.
2. The eyewear of Claim 1 wherein the communication between said transceiver and said devices is via signals conforming to the Bluetooth standard.
3. The eyewear of Claim 1 wherein any one of said transceiver and said devices can be configured to be a master or a slave in a master-slave configuration.
4. The eyewear of Claim 1 wherein said devices are mobile devices.
5. The eyewear of Claim 4 wherein said mobile devices are chosen from a group consisting of a phone, a computer, a radio, a compact disc player, a camera, a distance alarm, a heart rate monitor and a hand held global positioning satellite system.
6. The eyewear of Claim 4 wherein said devices are located in the range of one hundred meters or less.
7. The eyewear of Claim 1 wherein said transceiver automatically changes the output power to adjust the range of transmission to exactly the required range.
8. The eyewear of Claim 1 wherein said transceiver and said devices each have a clock, and said clocks are automatically synchronized with one of said clocks that is a designated master clock.

9. The eyewear of Claim 1 wherein said transceiver can communicate with only those devices that are preset to communicate with said transceiver.

10. The eyewear of Claim 1 wherein said transceiver can work in a noisy radio environment, and is audible under severe conditions.

11. The eyewear of Claim 1 further comprising:

a frame; and

at least one temple, said temple being detachably attached to said frame.

12. The eyewear of Claim 11 further comprising:

an apparatus, said apparatus being attached to said temple.

13. The eyewear of Claim 11 wherein said apparatus is selected from a group consisting of an audio device having a speaker and a microphone, a camera, a display device, a distance alarm and an ear bud.

14. The eyewear of Claim 11 further comprising:

an apparatus, said apparatus being attached to said frame.

15. The eyewear of Claim 14 wherein said apparatus is selected from a group consisting of an audio device having a speaker and a microphone, a camera, a display device, a distance alarm and an ear bud.

16. The eyewear of Claim 11 further comprising;

a hinge, said hinge connecting said frame and said temple;  
a first pad located on said frame; and  
a second pad located on said temple;  
wherein said first pad and said second pad contact each other when said temple is in open position, thereby establishing an electrical connection.

17. The eyewear of Claim 11 further comprising:

a hinge;  
a connector having a male portion and a female portion, wherein said hinge is connected to said frame and said female portion, and said temple is connected to said male portion such that when said male portion is engaged with said female portion said temple is attached to said frame substantially hiding from view said connector and said hinge.

18. The eyewear of Claim 11 further comprising:

a hinge;  
a connector having a male portion and a female portion, wherein said hinge is connected to said frame and said male portion, and said temple is connected to said female portion such that when said male portion is engaged with said female portion said temple is attached to said frame substantially hiding from view said connector and said hinge.

19. The eyewear of Claim 17 further comprising:

an on off switch, said switch being located on the temple.

20. The eyewear of Claim 12 wherein at least a portion of said apparatus is embedded in said temple.

21. The eyewear of Claim 20 further comprising:

conductors, said conductors being embedded in said temples and said frame and said conductors establishing electrical connection between different components of said apparatus.

22. A distance alarm system comprising:

an eyewear; and

a transceiver for short-distance wireless communication mounted on said eyewear; and

a device, said device and said transceiver being capable of forming an ad hoc wireless network, and generating an alarm when said device exceeds a predetermined distance from said eyewear.

23. The distance alarm of Claim 22 wherein said distance at which the alarm is generated is set by the user.

24. The distance alarm of Claim 22 wherein the communication between said transceiver and said device is via signals conforming to the Bluetooth standard.

25. The distance alarm of Claim 22 wherein said generated alarm is one of a visual, a vibratory and an audible alarm.

29 26. A method of manufacturing eyewear comprising:

molding frame;

molding temple;

co-molding components of apparatus in said temple, and

connecting said frame with said temple using a hinge.

27. The method of Claim 26 further comprising:

co-molding conductors in said temple and said frame, said conductors making electrical connection between said components located in said temple and said frame or said temples.

28. The method of ~~Claim 26~~ further comprising:

incorporating a connector between said hinge and said temple, a male portion of said connector being part of said temple and a female portion of the hinge being part of the hinge such that when said male portion and said female portion are connected, said temple is attached to said frame.

29. A method of generating an alarm comprising:

providing an eyewear having a transceiver for short-distance wireless communication;

providing a device having a second transceiver for short-distance wireless communication;

forming an ad hoc wireless network between said device and said eyewear; and generating an alarm when said device exceeds a predetermined distance from said eyewear.

30. The method of Claim 29 further comprising:

communicating between said eyewear and said device via signals conforming to Bluetooth standard.

31. An eyewear comprising:  
a frame;  
at least two hinges; and  
at least two temples, wherein said hinges detachably connect said temples to said frame and each of said temples could be replaced by a second temple.

32. The eyewear of Claim 31 wherein said second temple has co-molded within it, an apparatus selected from a group consisting of an audio device having a speaker and a microphone, a camera, a display device, a distance alarm and an ear bud.